



REGIONAL MAP

Wexford
Lathrop
Guyton
Barnesville
Converse
Elmira
Holt
Greenville
Kearney
Chandler Mosby
Stockdale
Miltondale
Missouri City
Atherton
Eton

MISSOURI

35
60

LOCAL MAP

Scott Rd
NE 178th St
Lina Ln
NE 172nd St
Bishop Rd
Coke Rd
Ragsdale Rd
NE 164th St
Jesse James Farm Rd
James Farm County Park

SITE

NO SCALE

2012 INTERNATIONAL BUILDING CODE OR ADOPTED CODE
 2008 NATIONAL ELECTRIC CODE OR ADOPTED CODE
 TIA/EIA-222-G OR ADOPTED CODE

THE PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF ANTENNAS AND ASSOCIATED EQUIPMENT CABINETS FOR AT&T'S WIRELESS TELECOMMUNICATIONS NETWORK.

PROPERTY OWNER:	DAVE KITCHEN 20824 NE 172ND STREET HOLT, MO 64080
TOWER OWNER:	AMERICAN TOWER CORPORATION 116 HUNTINGTON AVENUE, 11TH FLOOR BOSTON, MA 02116
SITE CONTACT:	DAVE KITCHEN
COUNTY:	CLAY
LATITUDE (NAD 83):	39° 24' 22.556" N 39.406266
LONGITUDE (NAD 83):	94° 19' 32.721" W -94.325756
ZONING JURISDICTION:	CLAY
ZONING DISTRICT:	AG (AGRICULTURAL)
PARCEL #:	07-602-00-01-014.00
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	V-B
POWER COMPANY:	GEORGIA POWER
TELEPHONE COMPANY:	SENECA, GOODMAN, OZARK
CONSTRUCTION MANAGER:	JOSEPH SUTTON (636) 536-5839
SITE ACQUISITION MANAGER:	WAYNE MEDLIN (913) 458-1678
RF ENGINEER:	SEAN WYRICK (913) 383-4355

ENGINEER: BLACK & VEATCH CORPORATION
10950 GRANDVIEW DRIVE
OVERLAND PARK, KS 66210

CONTACT: GREGORY SCHMIDT

PHONE: (913) 458-3263

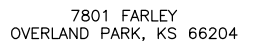
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

[illegible]

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME



48 HOURS BEFORE YOU DIG



10950 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 458-2000

PROJECT NO:	122041
DRAWN BY:	RAF
CHECKED BY:	GJS

B	12/17/13	ISSUED FOR REVIEW
A	11/08/13	ISSUED FOR REVIEW
REV	DATE	DESCRIPTION

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NE 176 ST
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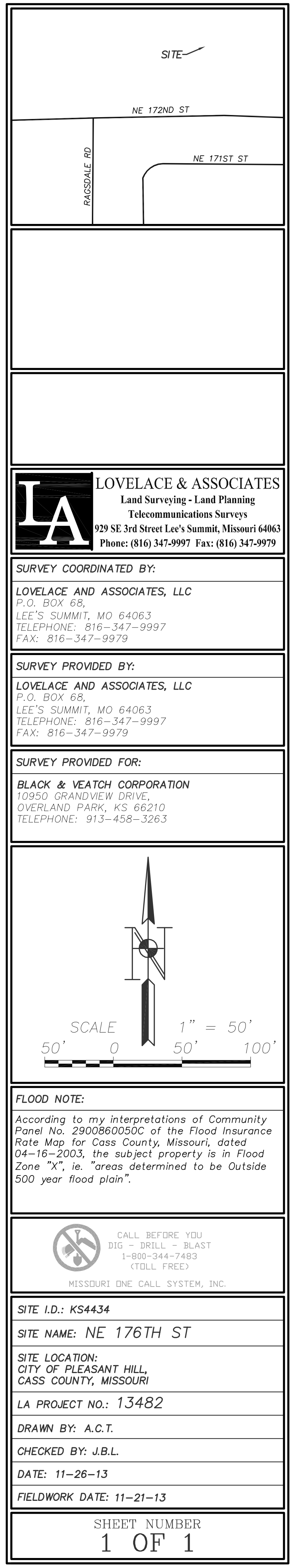
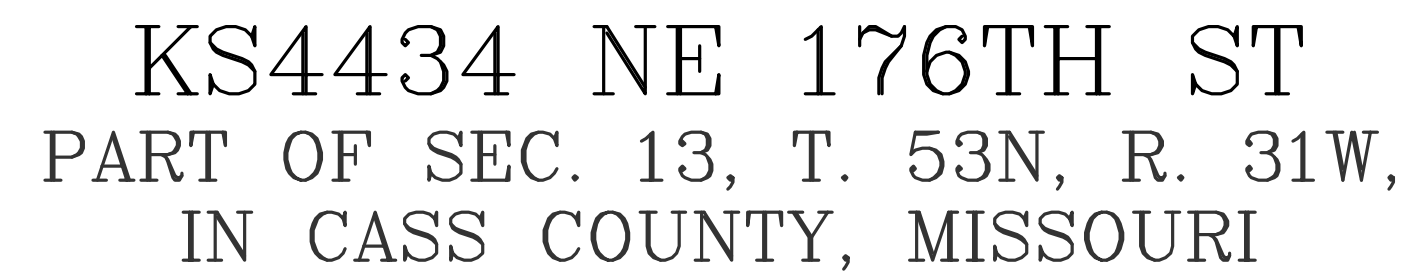
SHEET TITLE
TITLE SHEET

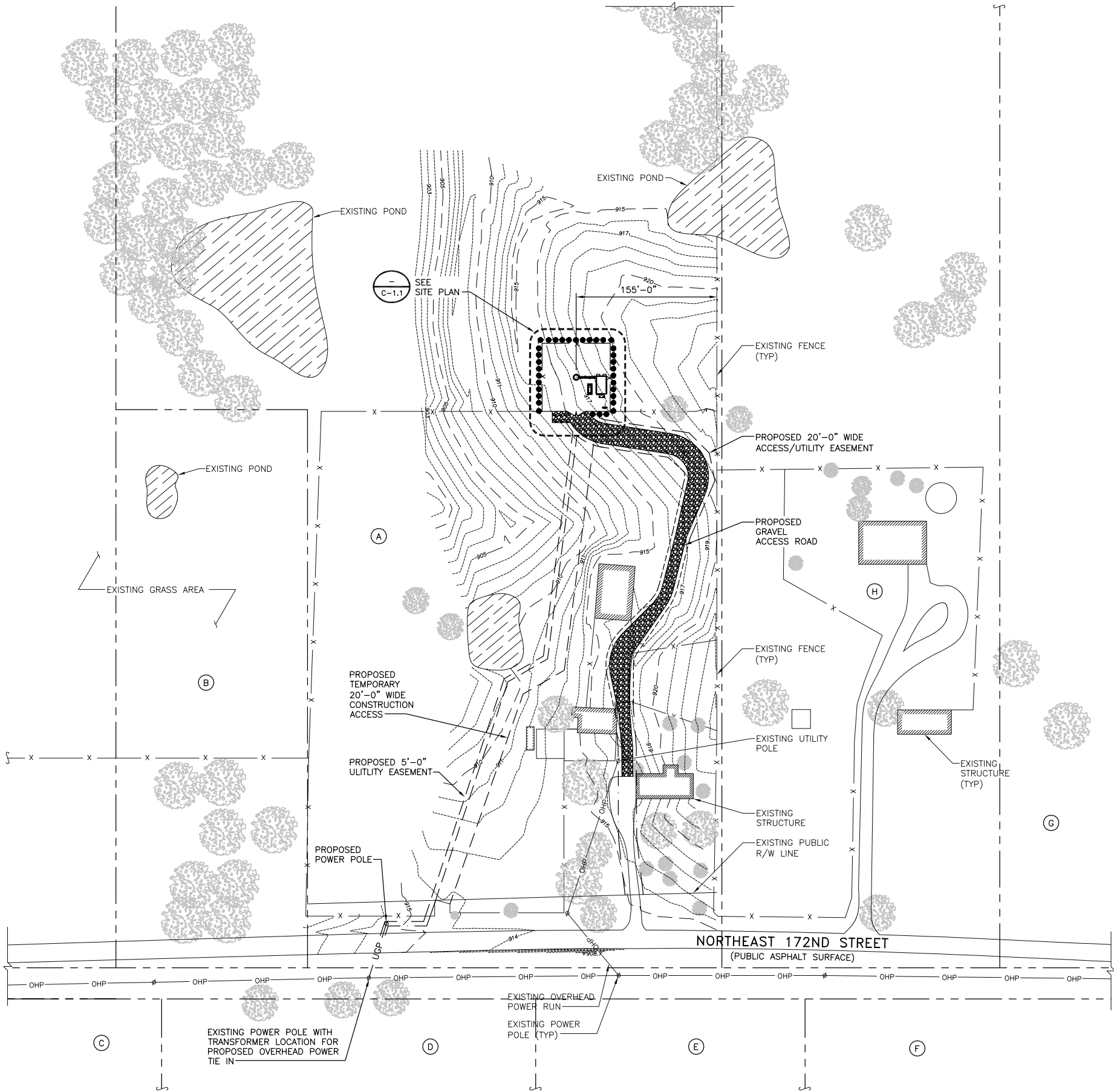
SHEET NUMBER

T-1

LEGEND	
TELEPHONE POLE	Ø TP
POWER POLE	Ø PP
TELEPHONE PEDESTAL	□ Tel. Ped.
ANCHOR	↻
BENCHMARK	⊙
CONTROL POINT	△
GATE POST	• GP
PROPERTY CORNER	○
TOWER POINT	△ ○
FENCE	_____ x _____
OVERHEAD POWER LINE	_____ OHP _____
OVERHEAD TELEPHONE LINE	_____ OHT _____
UNDERGROUND ELECTRIC LINE	_____ UGE _____
UNDERGROUND TELEPHONE LINE	_____ TEL _____

BENCH MARK
Top of 1/2" Iron Bar w/
Control Cap at CP-3
Elevation = 919.58ft





OVERALL SITE PLAN

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED LTE GPS ANTENNA AND TRANSMITTING ANTENNAS.
3. PROPERTY LINES ARE APPROXIMATIONS ONLY.
4. ANTENNAS & MOUNTS OMITTED FOR CLARITY.

NOTES

ID	PARCEL #	ZONING DIST.
A	07602000101400	21 - FARM RESIDENTIAL
B	07602000101300	3 - RURAL RESIDENTIAL
C	07602000300400	3 - RURAL RESIDENTIAL
D	07602000300300	3 - RURAL RESIDENTIAL
E	07602000300200	3 - RURAL RESIDENTIAL
F	07602000300100	3 - RURAL RESIDENTIAL
G	07602000101500	3 - RURAL RESIDENTIAL
H	07602000101600	21 - FARM RESIDENTIAL



7801 FARLEY
OVERLAND PARK, KS 66204



BLACK & VEATCH

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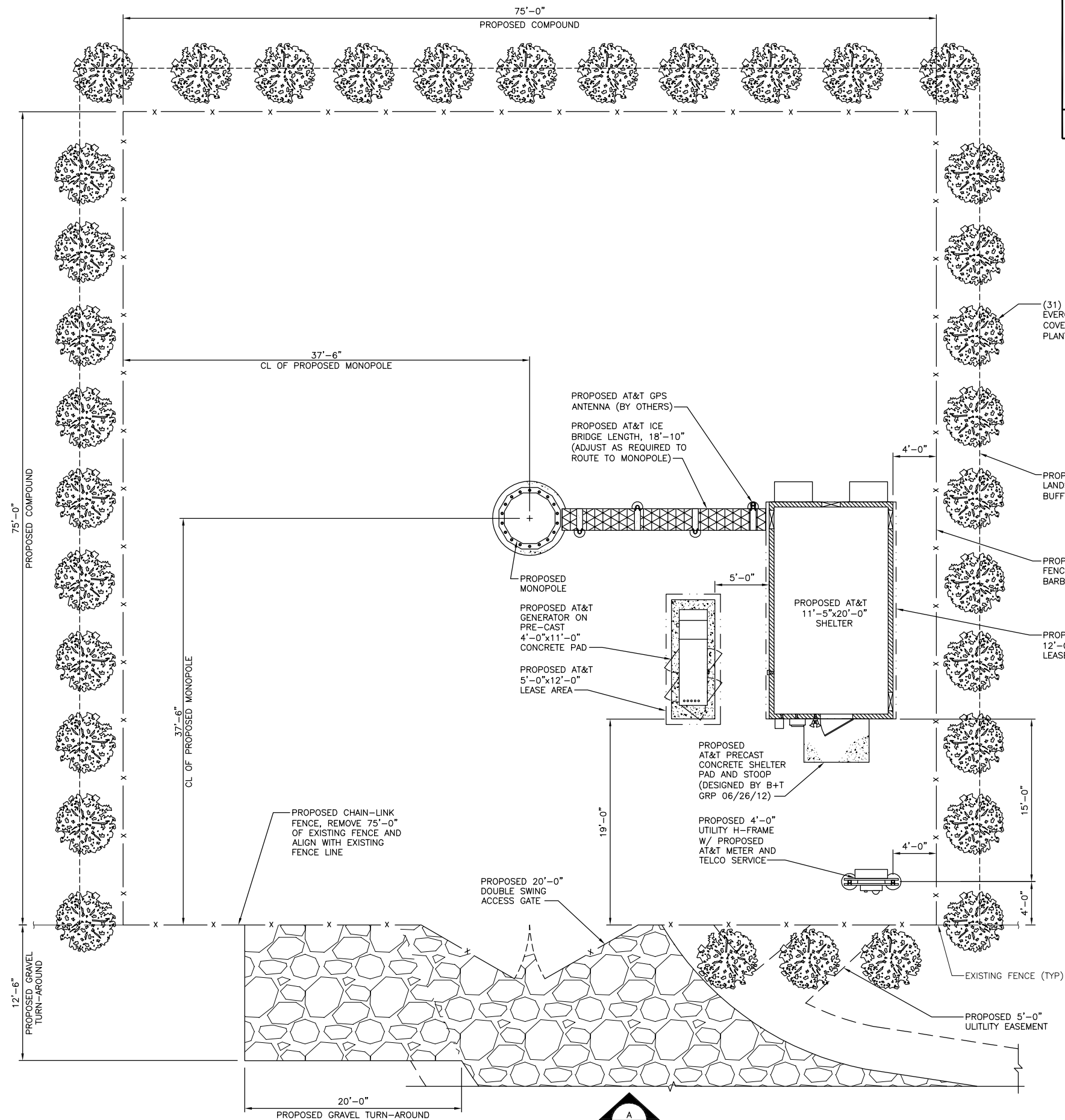
OVERALL
SITE PLAN

SHEET NUMBER

C-1

LEGEND

FENCE	— x — x — x —
LEASE AREA	— — — — —
ICE BRIDGE	
OVERHEAD POWER	— OHP — OHP — OHP —
UNDERGROUND POWER	— UGP — UGP — UGP — UGP —
OVERHEAD UTILITIES	— OHU — OHU — OHU —
UNDERGROUND TELCO	— UGT — UGT — UGT — UGT —



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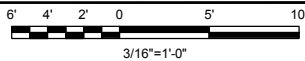
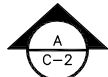
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SITE PLAN

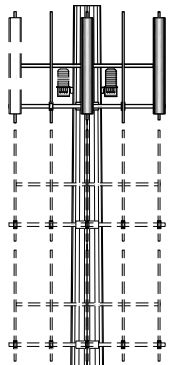
SHEET NUMBER

C-1.1

SITE PLAN



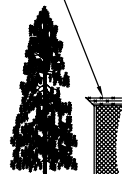
- PROPOSED MONOPOLE
TOWER HEIGHT EL. 155' AGL
- (1) PROPOSED AT&T PLATFORM MOUNT
(3) PROPOSED AT&T UMTS ANTENNAS
(3) PROPOSED AT&T LTE ANTENNAS
(3) FUTURE AT&T LTE ANTENNAS
(3) PROPOSED AT&T TMAs
(3) PROPOSED AT&T RRHs
(3) PROPOSED AT&T AWS RRHs
(3) FUTURE AT&T WCS RRHs
(1) PROPOSED RAYCAP SURGE PROTECTION UNIT
(1) FUTURE RAYCAP SURGE PROTECTION UNIT
CL. EL. 150' AGL
- FUTURE CARRIER
CL EL. 140' AGL
- FUTURE CARRIER
CL EL. 130' AGL



- (6) PROPOSED AT&T 1 5/8" COAX,
(1) PROPOSED 3/8" RET CABLE,
(1) PROPOSED 3/8" ROSENBERGER
FBL98B-034 FIBER TRUNK CABLE,
(2) PROPOSED 3/4" ROSENBERGER
WR-VG86T DC POWER TRUNK CABLES
AND (2) FUTURE 3/4" ROSENBERGER
WR-VG86T DC POWER TRUNK CABLES
ROUTED INSIDE PROPOSED MONOPOLE

PROPOSED MONOPOLE

PROPOSED CHAIN-LINK
FENCE WITH ANTI-CLIMBING
BARBED WIRE AT THE TOP
(TYP)



- PROPOSED AT&T ICE
BRIDGE LENGTH, 18'-10"
- PROPOSED AT&T
GENERATOR ON
CONCRETE PAD
- PROPOSED AT&T
GPS ANTENNA BY
OTHERS (TO BE PLACED
10' MINIMUM FROM ANY
EXISTING ANTENNA)
- PROPOSED AT&T
EQUIPMENT
SHELTER
- PROPOSED 4'-0"
UTILITY H-FRAME
W/ PROPOSED
AT&T METER AND
TELCO SERVICE
- PROPOSED EVERGREEN
JUNIPER TREE (TYP)

NOTES:

1. FENCE NOT ENTIRELY SHOWN FOR CLARITY.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS ANTENNA AND TRANSMITTING ANTENNAS.
3. THE PROPOSED TOWER IS CURRENTLY BEING DESIGNED BY OTHERS TO CARRY THE PROPOSED NEW COAX AND ANTENNAS. THESE DRAWINGS HAVE BEEN CREATED BASED ON THE ASSUMPTION THAT THE STRUCTURAL DESIGN WILL SHOW THAT THE TOWER HAS SUFFICIENT CAPACITY TO SUPPORT THE PROPOSED NEW LOADS. INSTALLATION OF THE COAX AND ANTENNAS SHALL NOT COMMENCE UNTIL AN APPROVED STRUCTURAL ANALYSIS HAS BEEN RECEIVED BY THE OWNER OR AT&T AND HAS BEEN REVIEWED BY BLACK & VEATCH. CONTRACTOR SHALL REFERENCE THE TOWER STRUCTURAL ANALYSIS/DESIGN DRAWINGS FOR DIRECTIONS ON CABLE DISTRIBUTION/ROUTING.



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BLACK & VEATCH

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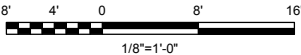
NE 176 ST
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SHEET TITLE
ELEVATION

SHEET NUMBER

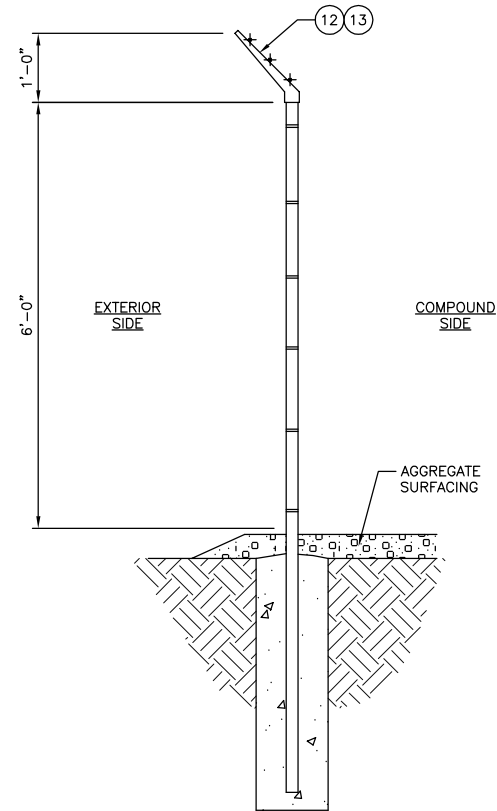
C-2

PROPOSED ELEVATION
SEE DRAWING C-1.2



A

VIOLATORS WILL BE PROSECUTED



- 1 NOT USED
- 2 LINE POSTS: 2 1/2" O.D. PIPE, 16 GAUGE (GALVANIZED) PER ASTM-F1083.
- 3 CORNER, END AND BRACE POSTS: 2 7/8" O.D. PIPE, SCHEDULE 40 (GALVANIZED).
- 4 TOP RAIL: 1 5/8" O.D. 17 GAUGE PIPE (GALVANIZED) PER ASTM-F1083.
- 5 BRACE RAIL: 1 5/8" O.D. 17 GAUGE PIPE (GALVANIZED).
- 6 DIAGONAL TRUSS ROD: 3/8" GALVANIZED ROD WITH TURNBUCKLE.
- 7 TENSION BAR: 3/16" X 3/4" GALVANIZED FLAT BAR.
- 8 BOTTOM TENSION WIRE: GALVANIZED OR ALUMINUM COATED COIL SPRING WIRE, 7 GAUGE.
- 9 GATE POSTS: 2 7/8" O.D. SCHEDULE 40 PIPE (GALVANIZED).
- 10 COMBINATION PADLOCK ACCORDING TO AT&T REQUIREMENTS.
- 11 GATE FRAMES: 1 7/8" O.D. SCHEDULE 40 PIPE (GALVANIZED).
- 12 BARBED WIRE SUPPORT ARM: SINGLE ARM TYPE (GALVANIZED). ARM SHALL BE INCLINED OUTWARD AT AN ANGLE OF 45 DEGREES.
- 13 BARBED WIRE: GALVANIZED, ASTM A121 CLASS 3; THREE 14 GAUGE MINIMUM STEEL WIRES WITH 4 POINT ROUND 14 GAUGE BARBS SPACED 4" APART.
- 14 NOT USED
- 15 MISCELLANEOUS:
 - A. RAIL COUPLINGS: SLEEVE TYPE, 6" LONG EXPANSION SPRING EVERY FIFTH COUPLING.
 - B. POST TOPS: PRESSED STEEL, MALLEABLE IRON WITH PRESSED STEEL EXTENSION ARM, OR ONE-PIECE ALUMINUM CASTING; WITH HOLE FOR TOP, ALL DESIGNED TO FIT OVER THE OUTSIDE OF THE POSTS AND TO PREVENT ENTRY OF MOISTURE INTO TUBULAR POSTS.
 - C. LATCHES SHALL BE FORKED TYPE AND SHALL BE ARRANGED FOR PADLOCKING WITH THE PADLOCK ACCESSIBLE FROM BOTH SIDES OF THE GATE.
 - D. KEEPERS SHALL CONSIST OF MECHANICAL DEVICES FOR SECURING AND SUPPORTING THE FREE END OF THE GATES WHEN IN THE FULL OPEN POSITION. KEEPERS SHALL BE MOUNTED ON 2 7/8" O.D. PIPE POSTS FILLED WITH CONCRETE AND SET IN CONCRETE FOUNDATIONS.
 - E. INSTALL FENCING PER ASTM-F567.
 - F. INSTALL SWING GATES PER ASTM-F900.
 - G. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLETED IF REQUIRED.
 - H. USE GALVANIZED HIG-RING WIRE TO MOUNT ALL SIGNS.
 - I. ALL SIGNS MUST BE MOUNTED ON INSIDE OF FENCE.
 - J. ALL POSTS SHALL HAVE "MUSHROOM" SLEEVE EMBEDDED IN CONCRETE.

NOTE:

1. THESE SIGNS SHALL BE PLACED ON EACH OUTWARD FACE OF PROPOSED COMPOUND.

SIGNAGE

NO SCALE

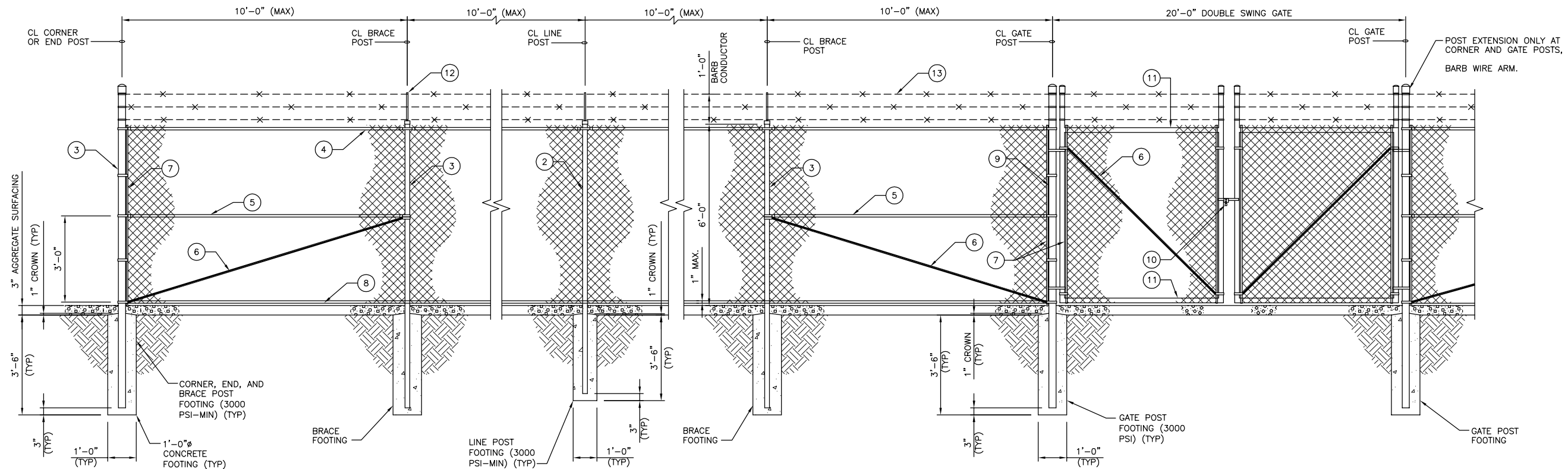
A

TYPICAL FENCE SECTION

NO SCALE

B

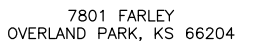
MATERIAL DESCRIPTION



TYPICAL FENCE ELEVATION

NO SCALE

C



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SHEET TITLE

FENCE DETAILS

SHEET NUMBER

C-3

PLANTING NOTES

1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PEST AND DISEASE.

2. ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED AND BURLAPPED AS SPECIFIED.

3. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE, DURING AND AFTER INSTALLATION.

4. ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.

5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING COURSE OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES.

6. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING AREAS (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZATION, ETC) UNTIL THE WORK IS FULLY ACCEPTED.
7. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF (1) ONE YEAR BEGINNING AT THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.

8. THE OWNER'S REPRESENTATIVE WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.

9. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCUMULATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.

10. ANY PLANT MATERIAL THAT DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL SPECIFICATIONS.

11. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK". LATEST EDITION REPRESENTS GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
12. ALL REQUIRED TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING OR EXCAVATING.

13. UNDISTURBED BUFFERS SHALL BE REPLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED AT APPROVED UTILITY CROSSINGS. REPLANTING IS SUBJECT COUNTY ARBORIST APPROVAL.

14. LANDLORD TO APPROVE TYPE OF SHRUBBERY PRIOR TO INSTALLATION.

	BOTANICAL NAME	COMMON NAME	QTY	SIZE	SPACING	SPECIFICATIONS
EVERGREEN TREES	JUNIPERUS CHINENSIS 'KETELEERI'	KETELERI JUNIPER	34	3-5 GAL	AS SHOWN ON PLAN	CONTAINERIZED, MIN 72" IN HEIGHT



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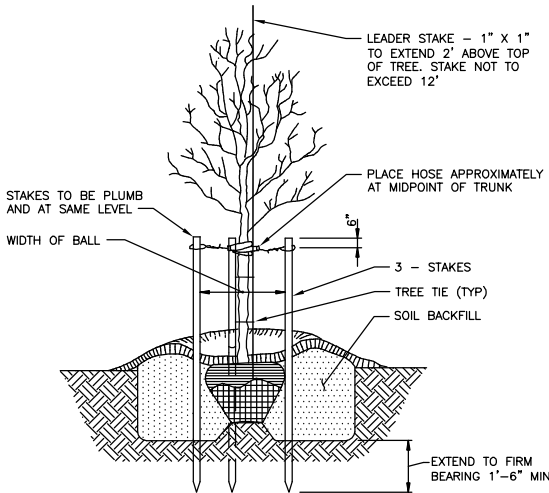
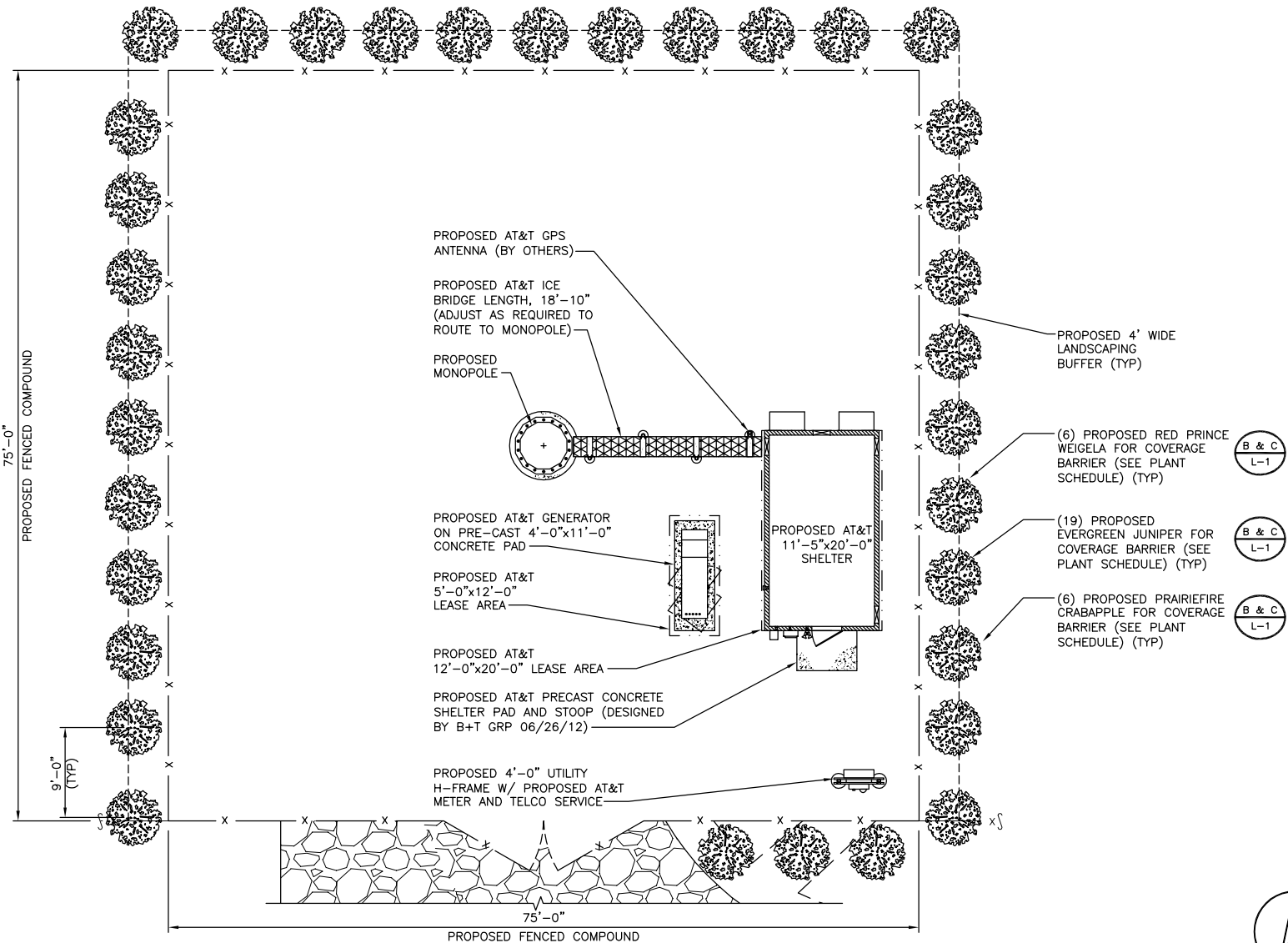


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PLANT SCHEDULE

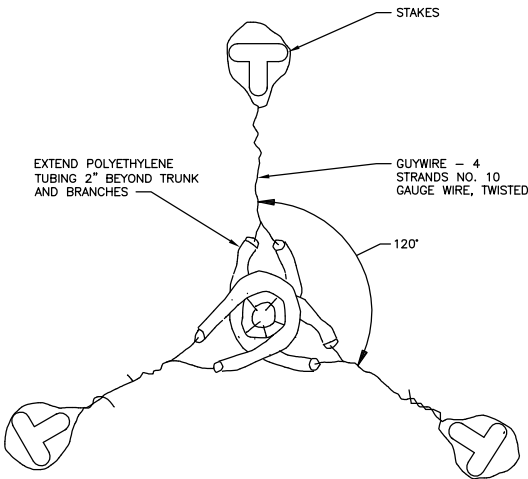
NOTES



PLANTING DETAIL

NO SCALE

B



STAKING PLAN

NO SCALE

C

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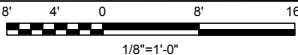
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SHEET TITLE
LANDSCAPING
PLAN

SHEET NUMBER

L-1

LANDSCAPING PLAN



A